Diagonal Difference

Problem Statement

You are given a square matrix of size $N \times N$. Calculate the absolute difference of the sums across the two main diagonals.

Input Format

The first line contains a single integer N. The next N lines contain the rows of N integers describing the matrix.

Constraints
$1 \leq N \leq 100$
$-100 \leq A[i] \leq 100$

Output Format

Output a single integer equal to the absolute difference in the sums across the diagonals.

Sample Input

```
3
11 2 4
4 5 6
10 8 -12
```

Sample Output

```
15
```

Explanation

The first diagonal of the matrix is:

```
11
  5
    -12
```

Sum across the first diagonal: 11 + 5 - 12 = 4

The second diagonal of the matrix is:

```
    4
  5
10
```

Sum across the second diagonal: 4 + 5 + 10 = 19
Difference: |4 - 19| = 15